

# Service Manual



Colour Television

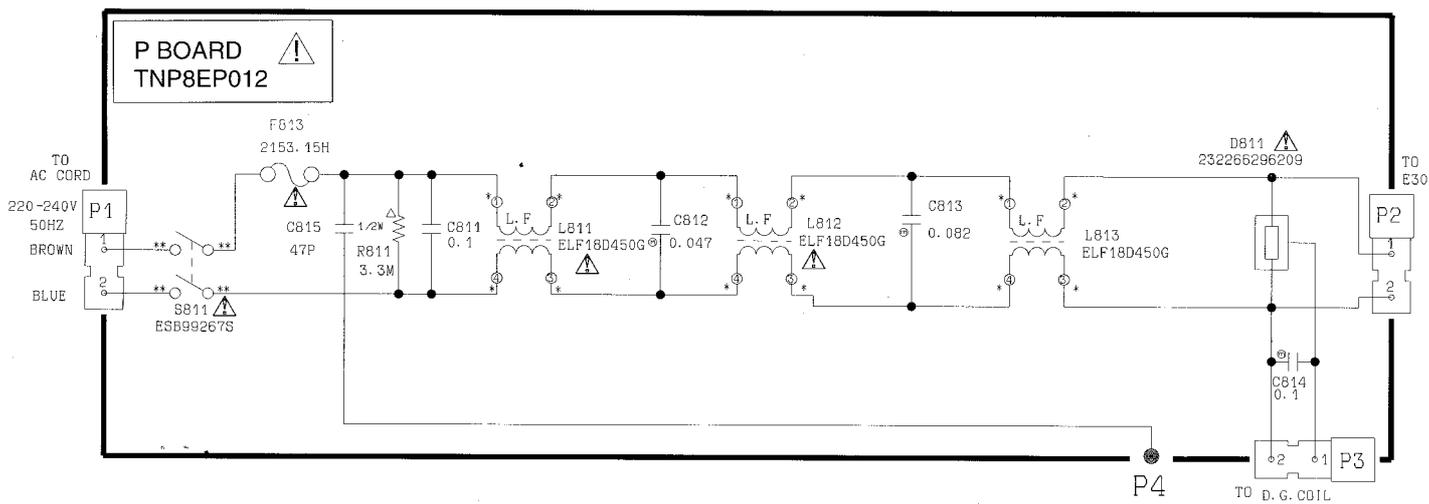
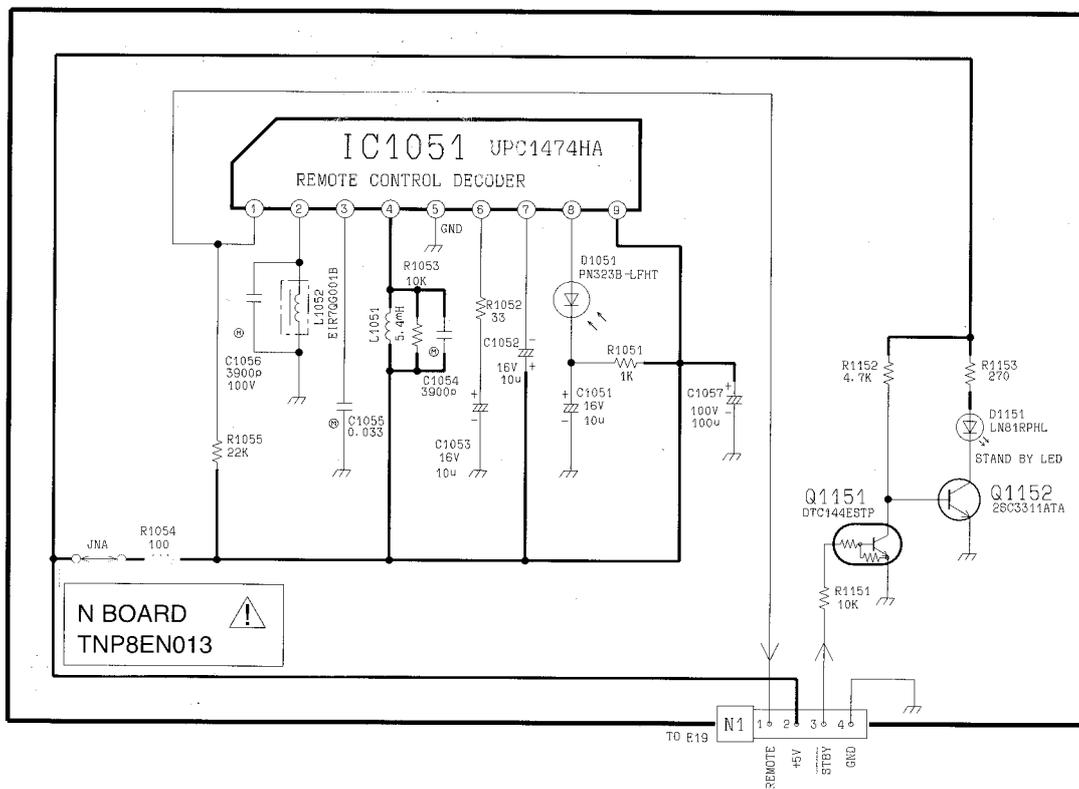
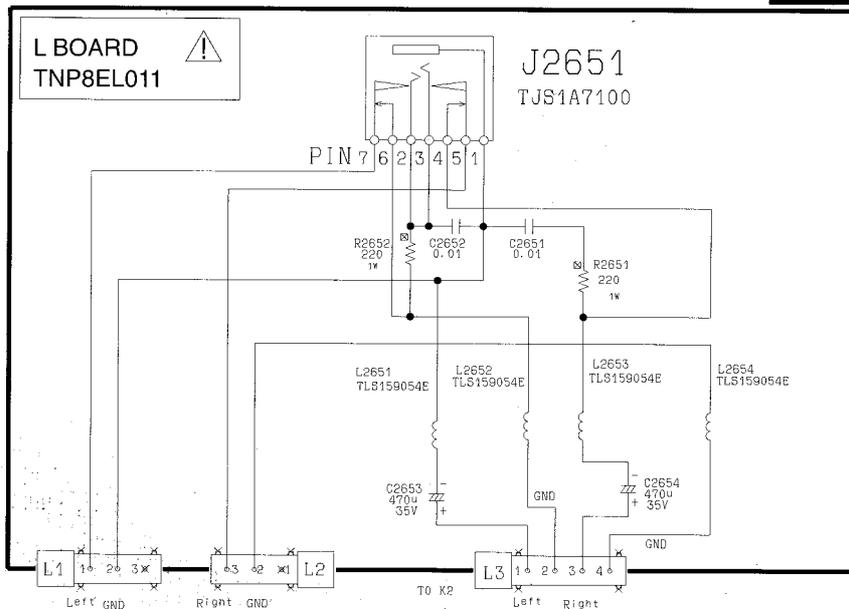
**TX-28C1CP**

**TX-25C1CP**

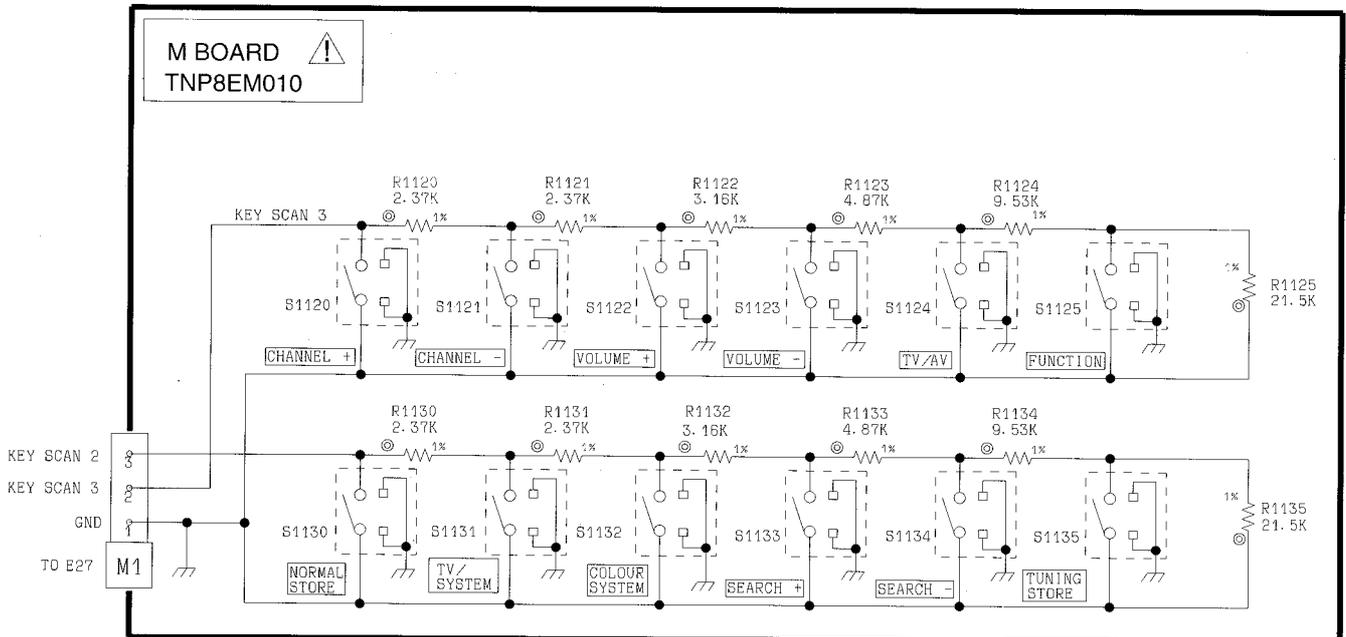
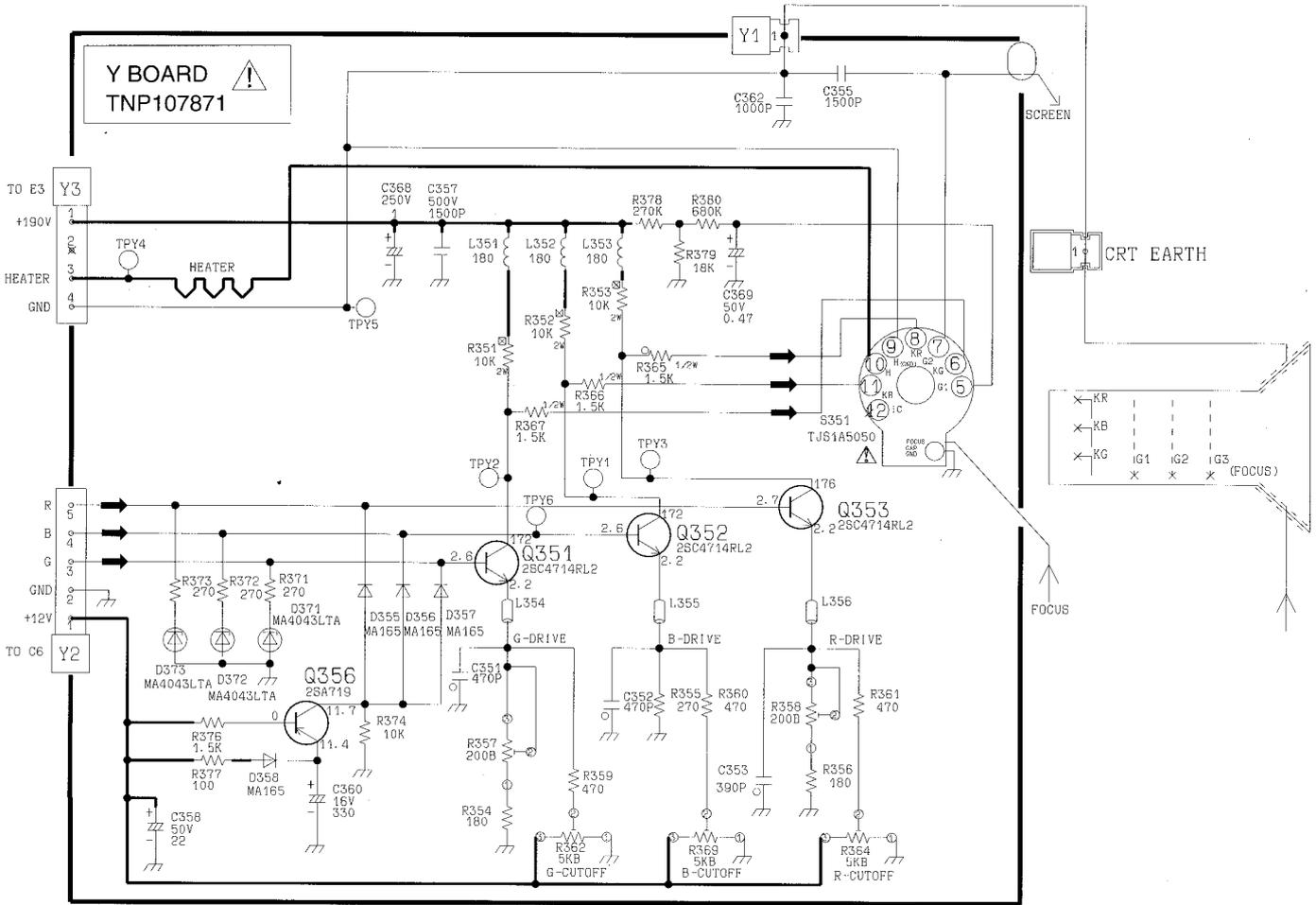
**ALPHA-4 Chassis**

**SPECIFICATIONS\ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ**  
**LOCATION OF CONTROLS\РАСПОЛОЖЕНИЕ ОРГАНОВ УПРАВЛЕНИЯ**  
**CHASSIS SERVICE POSITION\ПОЛОЖЕНИЕ ДЛЯ СЕРВИСНОГО**  
**ОБСЛУЖИВАНИЯ**  
**ADJUSTMENT PROCEDURE\МЕТОДИКА НАСТРОЙКИ**  
**SCHEMATIC DIAGRAMS\ПРИНЦИПИАЛЬНЫЕ СХЕМЫ**  
**EXPLODED VIEWS\СБОРОЧНЫЕ ЧЕРТЕЖИ**  
**PARTS LIST\СПИСОК ЗАПАСНЫХ ЧАСТЕЙ**

**Panasonic**



**TX-28C1CP  
TX-25C1CP**

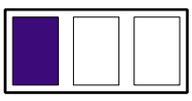
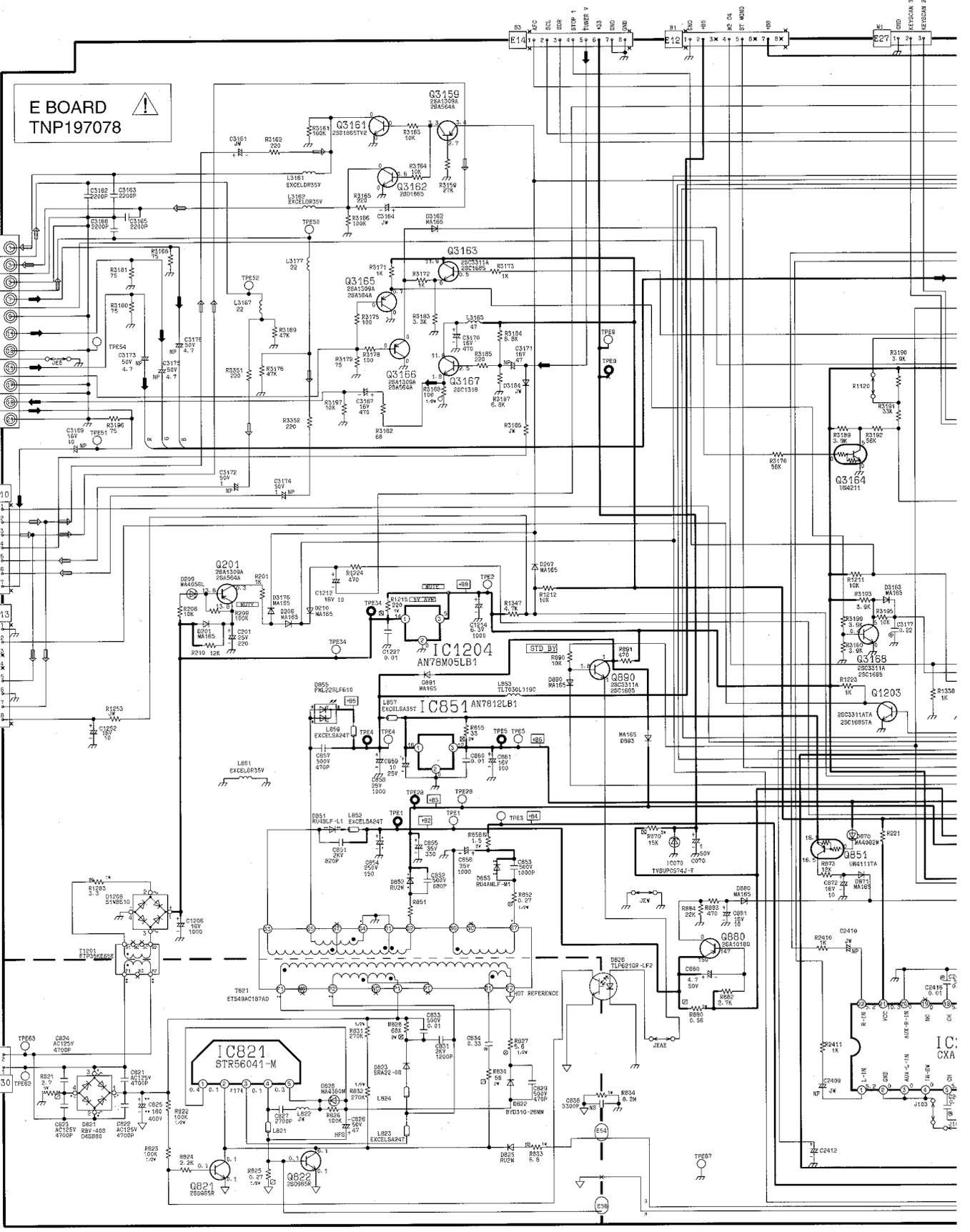


**E BOARD**  
TNP197078

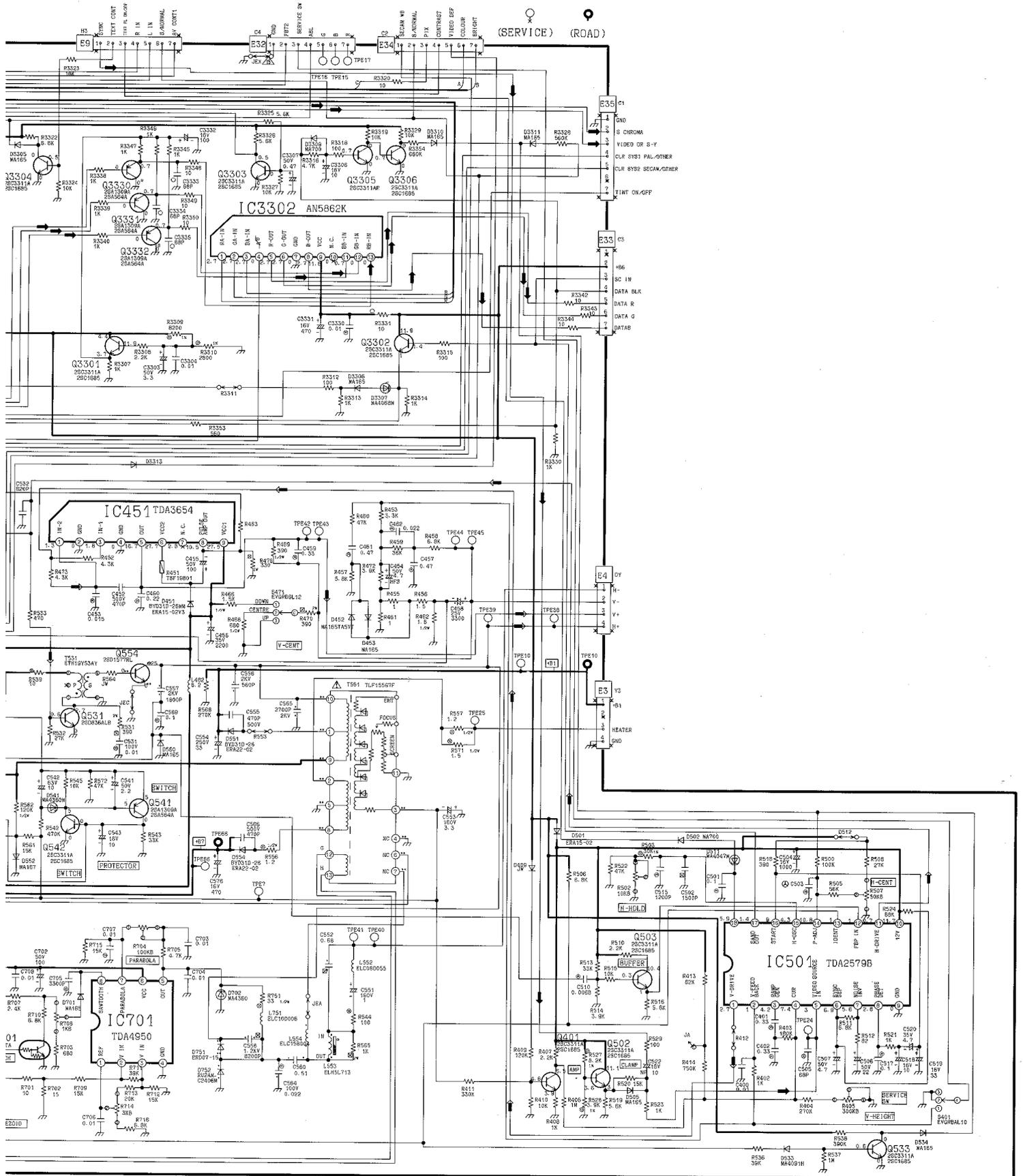
JK3101  
TJSBE003

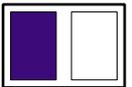
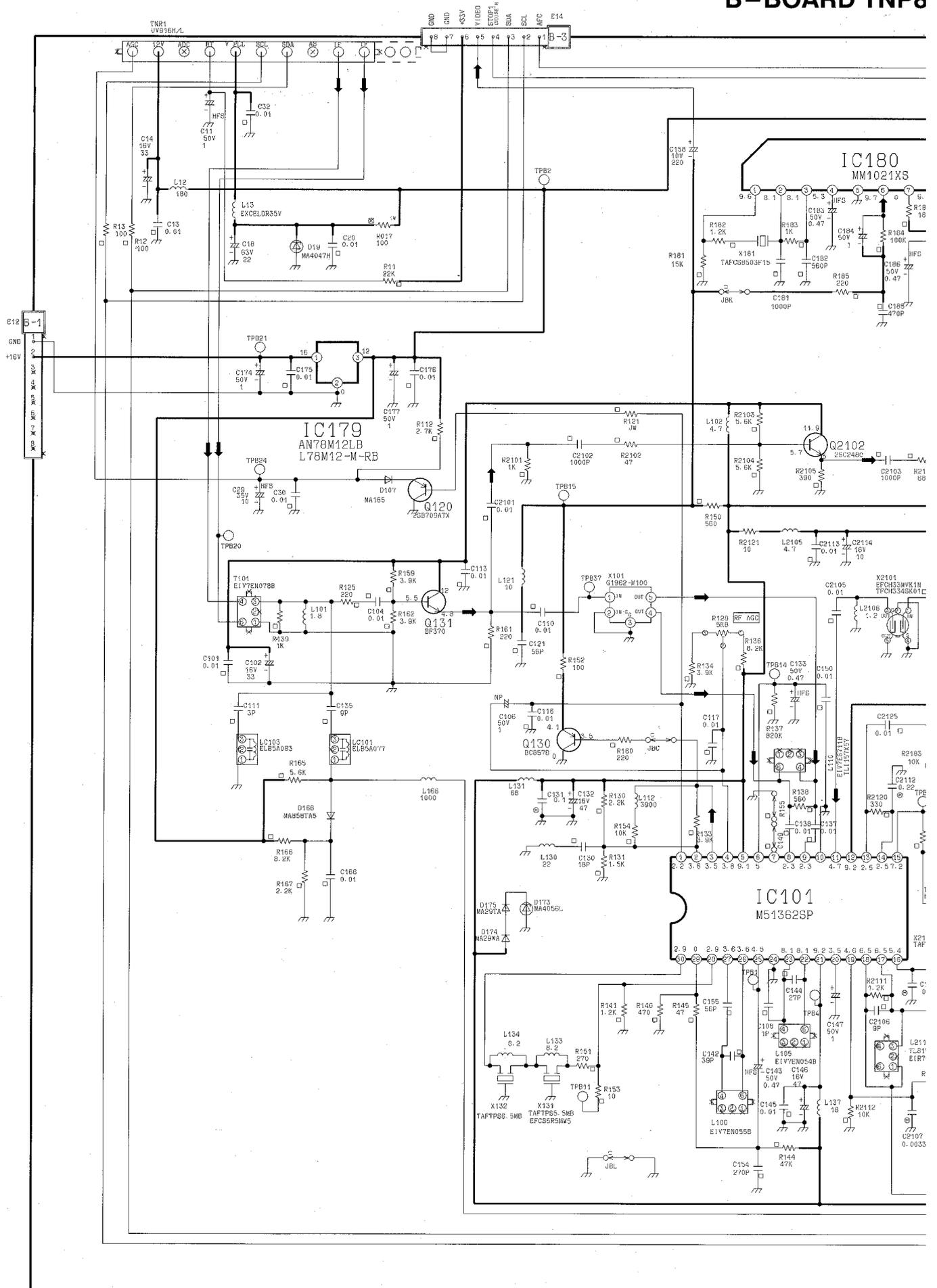
- AUDIO OUT RCH
- AUDIO IN RCH
- AUDIO OUT LCH
- GND (AUDIO)
- GND (BLUE)
- AUDIO IN LCH
- BLUE
- SLOW SW
- GND (GREEN)
- GREEN
- NC (1. DATA)
- GND (DATA)
- RED
- HIGH SPEED IN
- GND (HIGH SPEED)
- VIDEO OUT
- VIDEO IN
- GND (PLUG SPEED)

- AV CONT2
- TUNER R
- TUNER L
- TUNER V
- AV1 R
- AV1 L
- AV1 V
- VL/OTHER R1/S2
- NC
- TUNER L
- GND
- TUNER R
- WUTE L



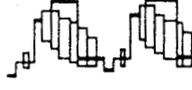
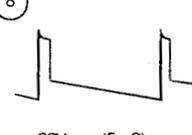
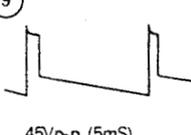
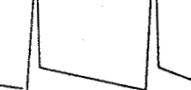
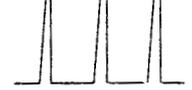
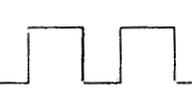
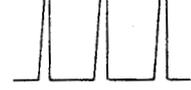




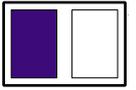
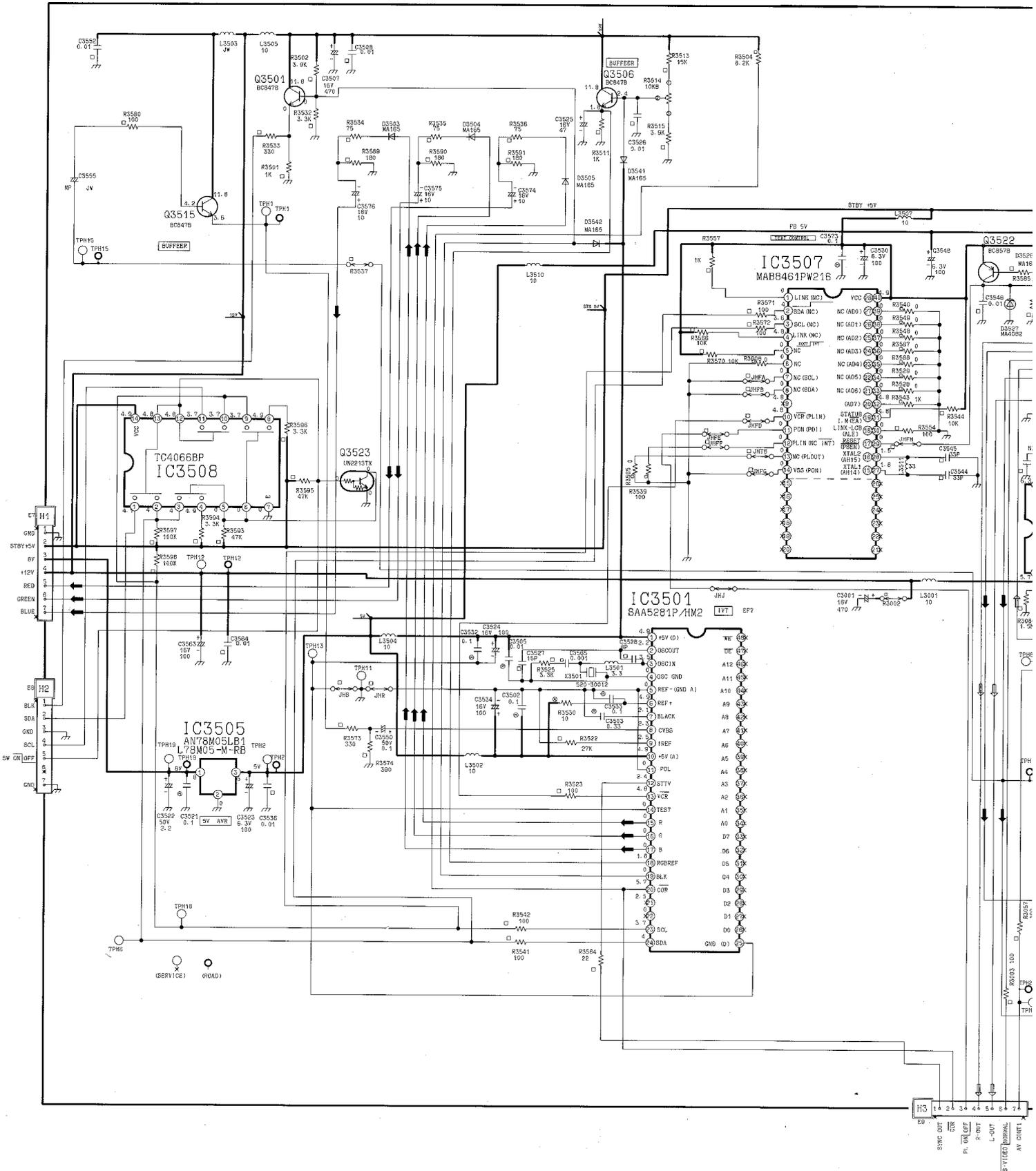




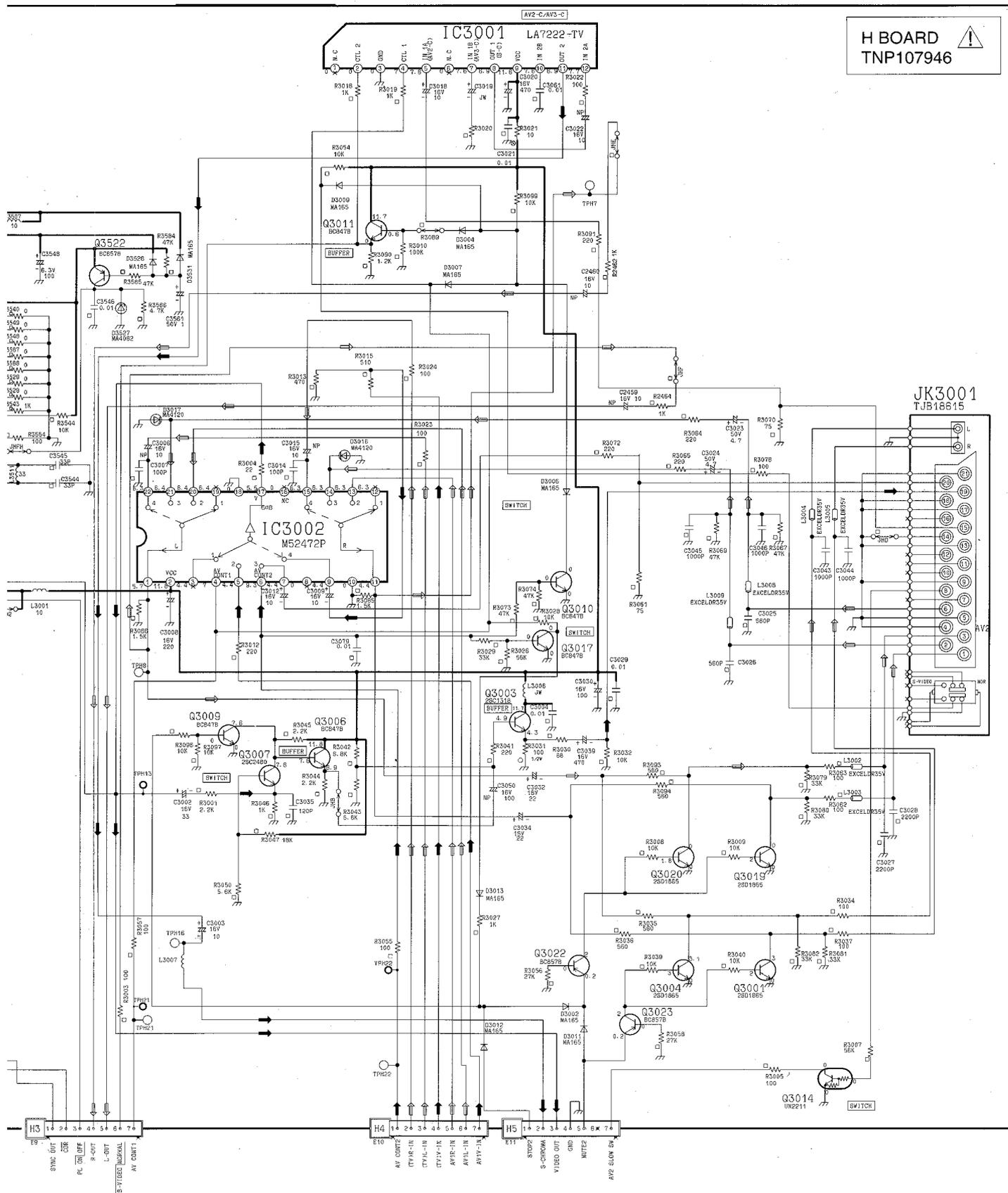
# WAVEFORM PATTERN TABLE

|   |   |  |
|---|---|--|
| <p>①</p>  <p>3.1V<sub>p-p</sub> (20µs)</p>   | <p>②</p>  <p>2.8V<sub>p-p</sub> (20µs)</p>   | <p>③</p>  <p>2.8V<sub>p-p</sub> (20µs)</p>    |
| <p>④</p>  <p>0.4V<sub>p-p</sub> (20µs)</p>   | <p>⑤</p>  <p>1.2V<sub>p-p</sub> (20µs)</p>   | <p>⑥</p>  <p>3.0V<sub>p-p</sub> (20µs)</p>    |
| <p>⑦</p>  <p>3.6V<sub>p-p</sub> (5ms)</p>    | <p>⑧</p>  <p>22V<sub>p-p</sub> (5ms)</p>     | <p>⑨</p>  <p>45V<sub>p-p</sub> (5ms)</p>      |
| <p>⑩</p>  <p>2V<sub>p-p</sub> (20µs)</p>   | <p>⑪</p>  <p>15V<sub>p-p</sub> (10µs)</p>  | <p>⑫</p>  <p>1500V<sub>p-p</sub> (10µs)</p> |
| <p>⑬</p>  <p>100V<sub>p-p</sub> (20µs)</p> | <p>⑭</p>  <p>100V<sub>p-p</sub> (20µs)</p> | <p>⑮</p>  <p>25.2V<sub>p-p</sub> (20µs)</p> |
| <p>⑯</p>  <p>4.5V<sub>p-p</sub> (20µs)</p> | <p>⑰</p>  <p>4.5V<sub>p-p</sub> (20µs)</p> | <p>⑱</p>  <p>4.5V<sub>p-p</sub> (20µs)</p>  |
| <p>⑲</p>  <p>150V<sub>p-p</sub> (20µs)</p> | <p>⑳</p>  <p>150V<sub>p-p</sub> (20µs)</p> | <p>㉑</p>  <p>150V<sub>p-p</sub> (20µs)</p>  |

# H-BOARD TNP1



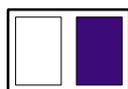
BOARD TNP107946



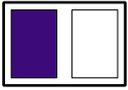
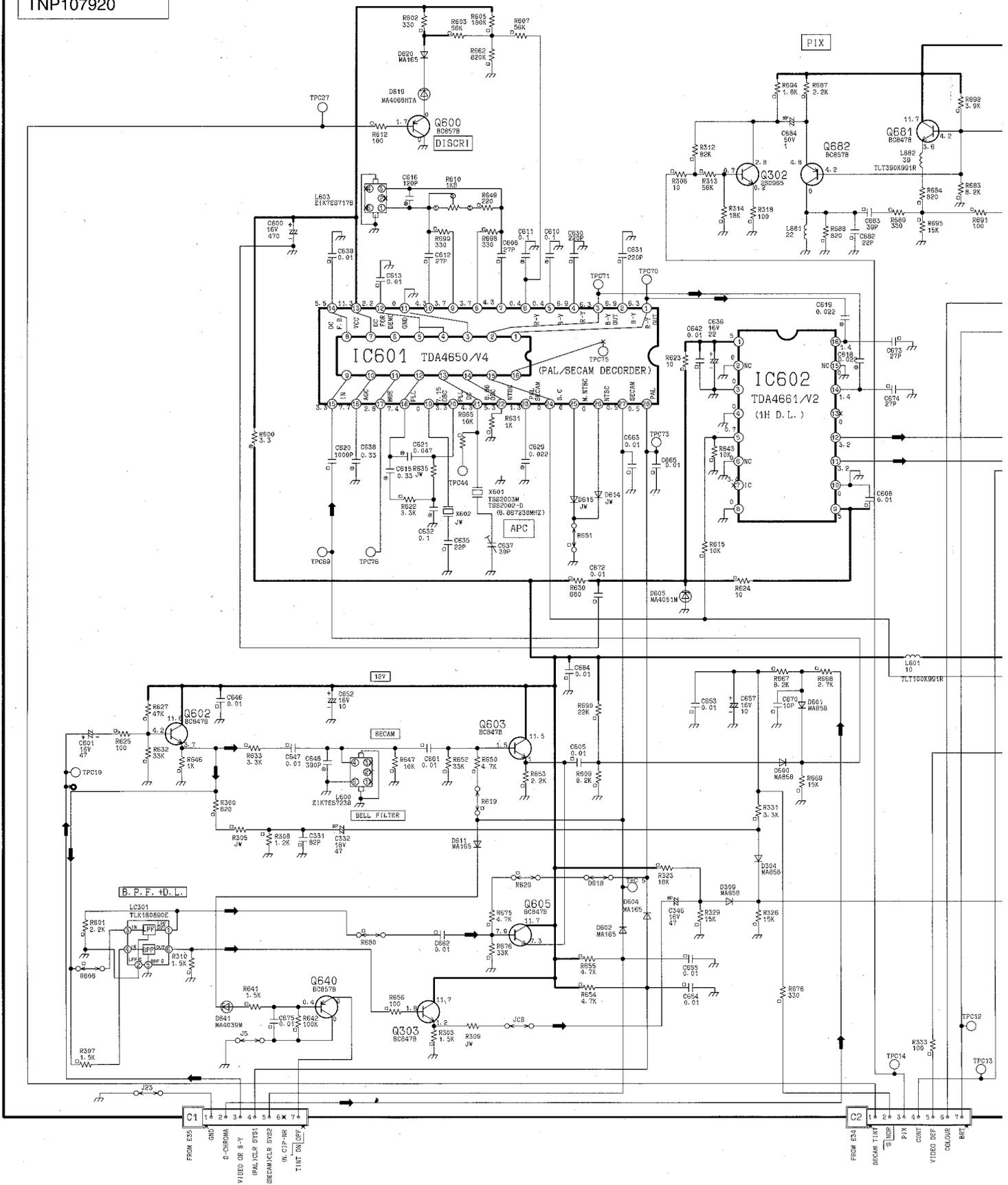
MONITOR  
AUDIO  
OUT

GND (PLUG SHIELD)  
VIDEO IN  
VIDEO OUT  
GND (HIGH SPEED)  
GND (VIDEO)  
HIGH SPEED IN  
S-C IN  
GND (DATA E.)  
GND  
NC (I. DATA)  
GND  
SLOW SW

GND  
GND (AUDIO)  
AUDIO OUT (L)  
AUDIO IN (RCH)  
AUDIO OUT (R)



C BOARD  
TNP107920



# RD TNP107920

